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# Faded

The polymeric actuator 1 of the invention comprises an ion-exchange resin product 2 in the form of a slender rectangular flat sheet and metal electrodes 3a, 3b which are formed on the surface of the ion-exchange resin product 2 and are insulated from each other, and the polymeric actuator is designed so that the ion-exchange

resin product 2 undergoes bending or deformation by  
10 applying a potential difference between the metal  
electrodes in such a state that the ion-exchange resin  
product contains an alkylammonium ion-containing aqueous  
solution. This polymeric actuator has excellent  
flexibility, is lightweight, has quick response and is  
15 capable of generating large displacement.